

Claims

What is claimed is:

1. A bicycle hub comprised of: A bicycle hub body; having rim support means; having a fluid automatic bicycle transmission comprising: A cylindrical outer shell; having a rotational power input means such as a sprocket for a standard bicycle chain drive or other means; having flanges for sealing means; having bearings slip fit within seats to support said transmission at each end of said cylindrical outer shell; a stator; having means to vary drag as input power varies with limited change; having means to regulate or dampen said drag variation such that it relates to human cadence; an inner shell; having said stator afixed centrally between said flanges of said outer shell to said stator; a sealing means between said stator, outer and inner shell, and with all these assembled creating a fluid chamber; a fluid filling means; said transmission filled with appropriate fluid thus having power transfer ability; and either said transmission attached to said freewheel body that is attached to said hub body, or, said freewheel body is integral to said inner shell and attached to said hub body; or, said freewheel body is internal to said hub body and acting as said outer shell above applies power using said fluid chamber to transfer power to said hub body which is acting as said inner shell; to complete said bicycle hub.
2. A bicycle hub of claim 1 wherein the inner shell receives power input. Thus an outer shell is attached to the hub body on its external facing surface to a freewheeling body, and, said inner shell receiving power is attached to the opposing side of said freewheeling body.
3. A bicycle hub of claim 1 wherein the drag varying means is attached to the power input shell.